

uFR NDEF

Version 1.0

Windows link: https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-ndef-examples-c_sharp.git

MacOS link:

https://www.d-logic.net/code/nfc-rfid-reader-sdk/ufr-ndef-examples-objective_c-gui.git

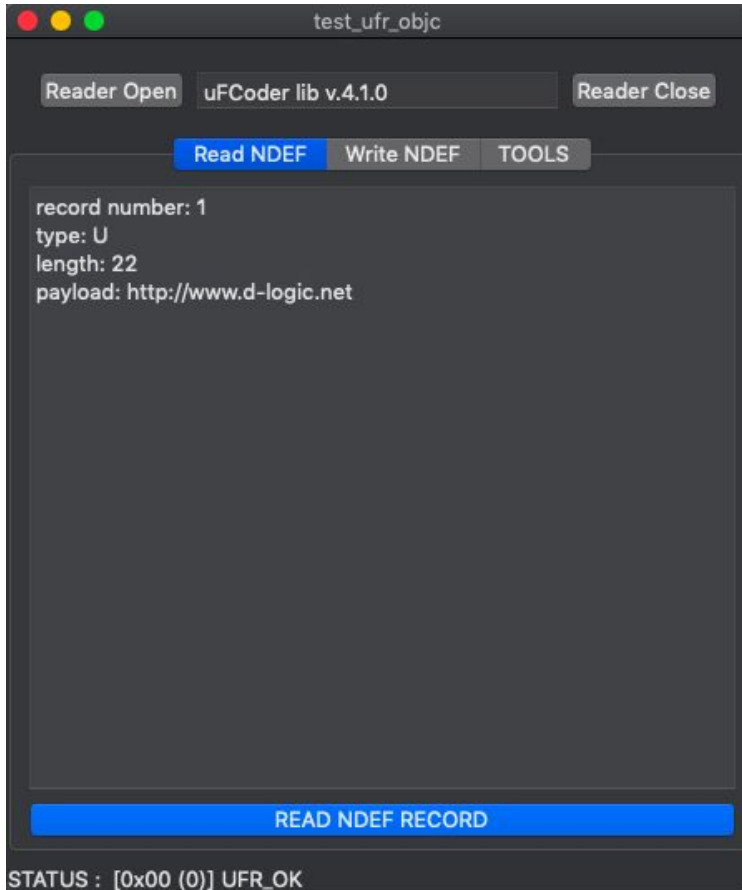
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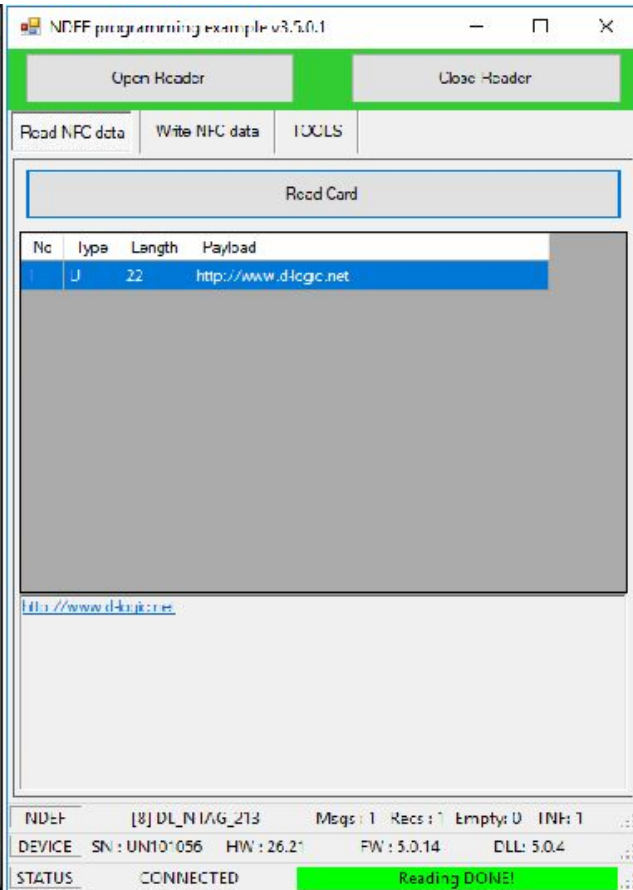
Read NDEF

Click on 'ReaderOpen' button and then click 'Read' button ('READ NDEF RECORD' - MacOS or 'Read Card' - Windows)

MacOS



Windows

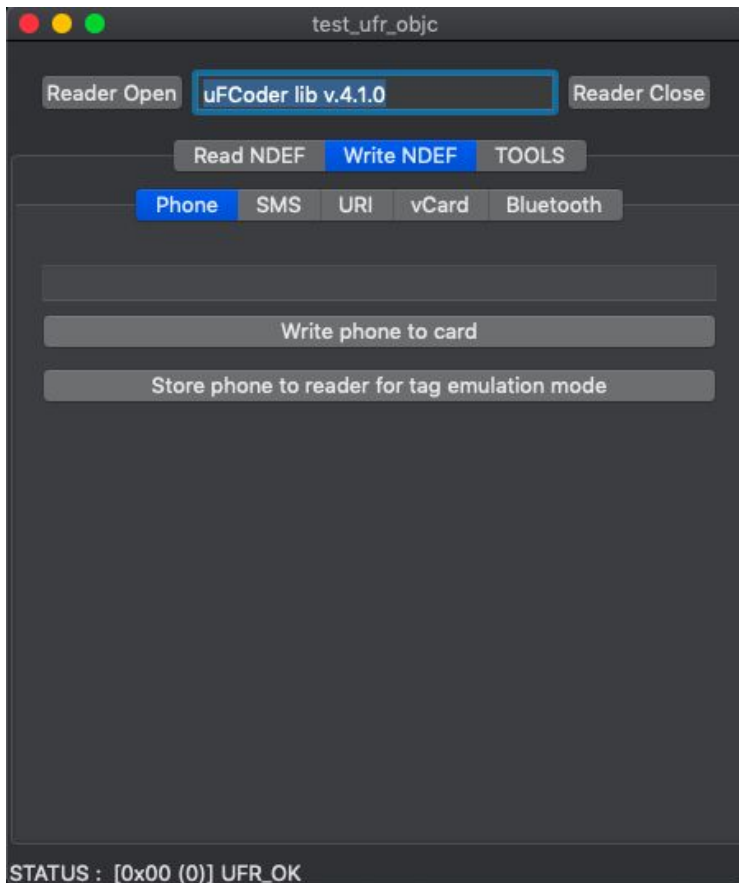


Always check status in at bottom left corner, if your status is UFR_OK, everything is fine, otherwise it's not.

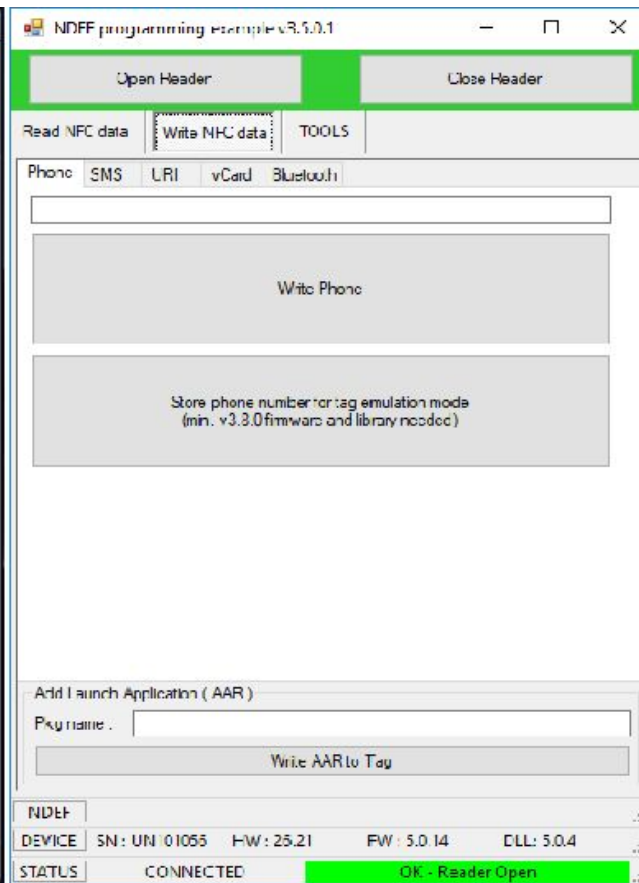
Write phone number

Simply type phone number and click button to store it into card or into reader (tag emulation mode).

MacOS



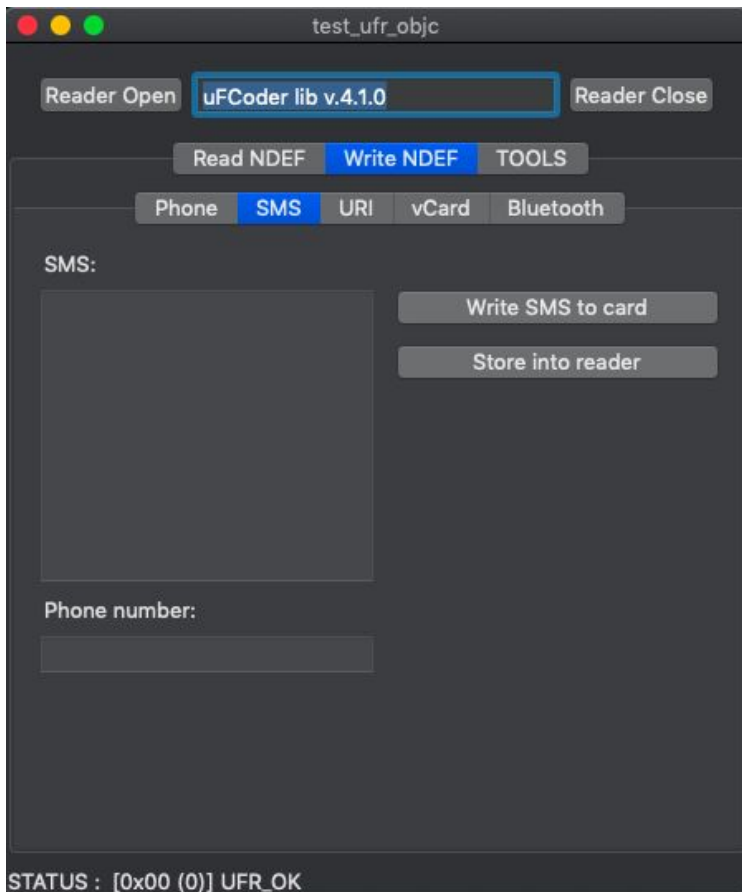
Windows



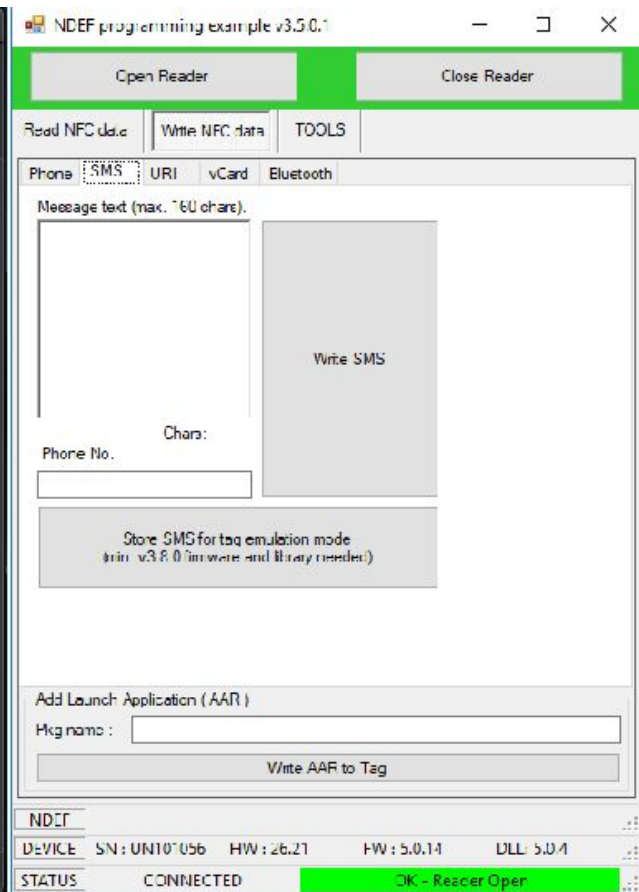
Write SMS

Type message you want to store and phone number and then click button to store the message and number into card or into reader (tag emulation mode).

MacOS



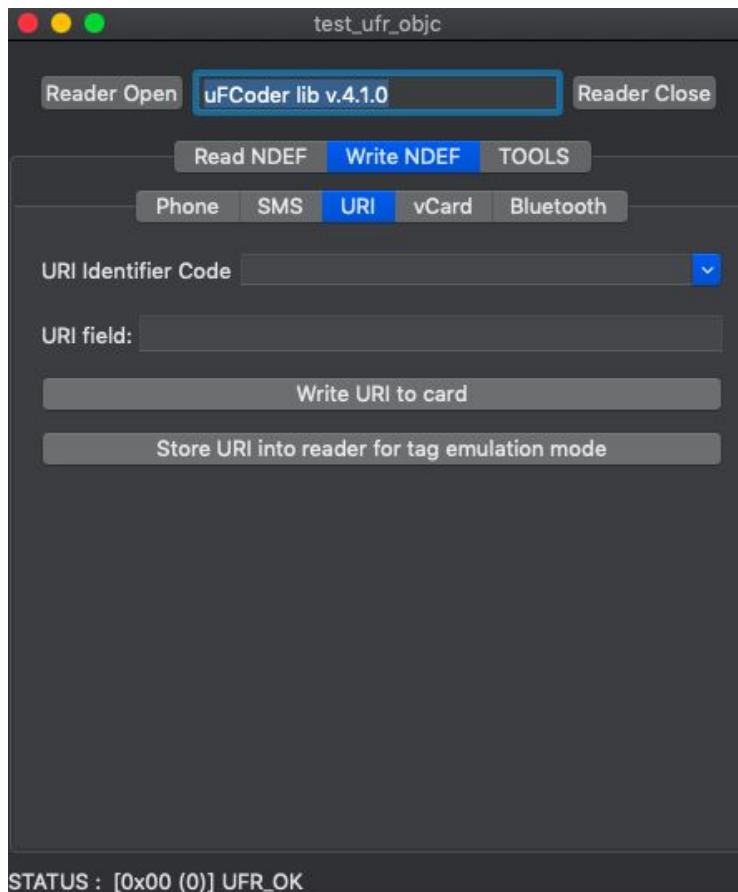
Windows



Write URI

To write URI, choose URI Identifier Code from dropdown list and then type your URI field. After you finish, click button to store URI to card or into reader (tag emulation mode).

MacOS



test_ufr_objc

Reader Open Reader Close

Read NDEF Write NDEF TOOLS

Phone SMS URI vCard Bluetooth

URI Identifier Code

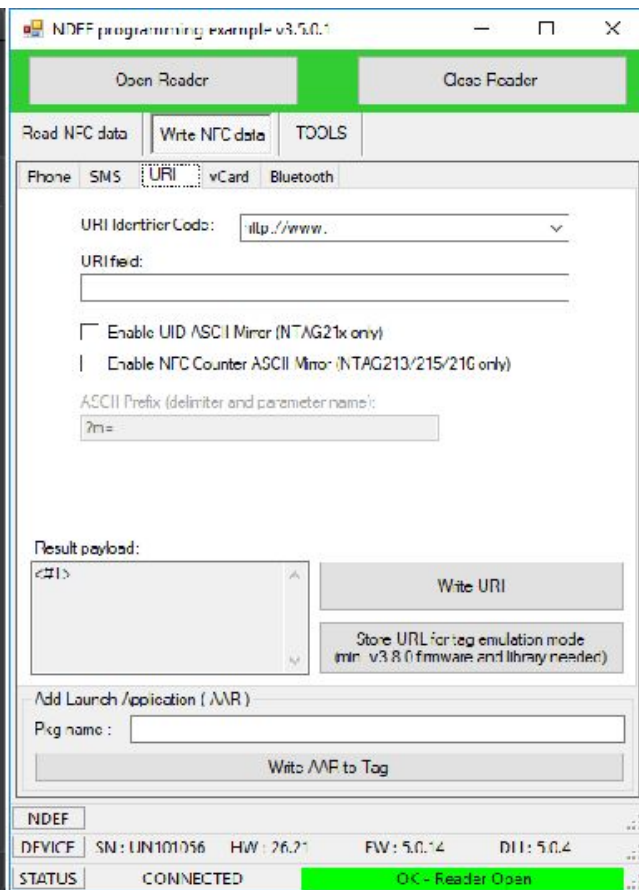
URI field:

Write URI to card

Store URI into reader for tag emulation mode

STATUS : [0x00 (0)] UFR_OK

Windows



NDEF programming example v3.5.0.1

Open Reader Close Reader

Read NFC data Write NFC data TOOLS

Phone SMS URI vCard Bluetooth

URI Identifier Code:

URI field:

☐ Enable UID ASCII Mirror (NTAG21x only)

☐ Enable NFC Counter ASCII Mirror (NTAG213/215/216 only)

ASCII Prefix (delimiter and parameter name):

Result payload:

Write URI

Store URL for tag emulation mode (min: v3.8.0 firmware and library needed)

Add Launch /application (LAR)

Pkg name:

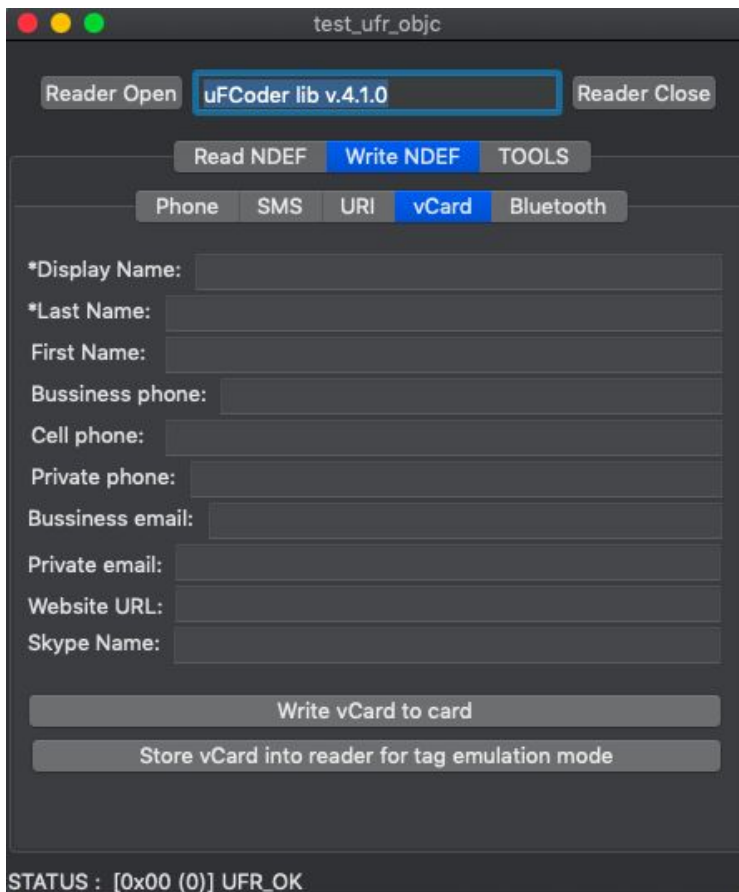
Write APP to Tag

NDEF
 DEVICE SN: UN101056 HW: 26.21 FW: 5.0.14 DII: 5.0.4
 STATUS CONNECTED OK - Reader Open

Write vCard

Fill all data you want to store for vCard and click button to write it into card or into reader (tag emulation mode).

MacOS



test_ufr_objc

Reader Open uFCoder lib v.4.1.0 Reader Close

Read NDEF Write NDEF TOOLS

Phone SMS URI vCard Bluetooth

*Display Name:

*Last Name:

First Name:

Bussiness phone:

Cell phone:

Private phone:

Bussiness email:

Private email:

Website URL:

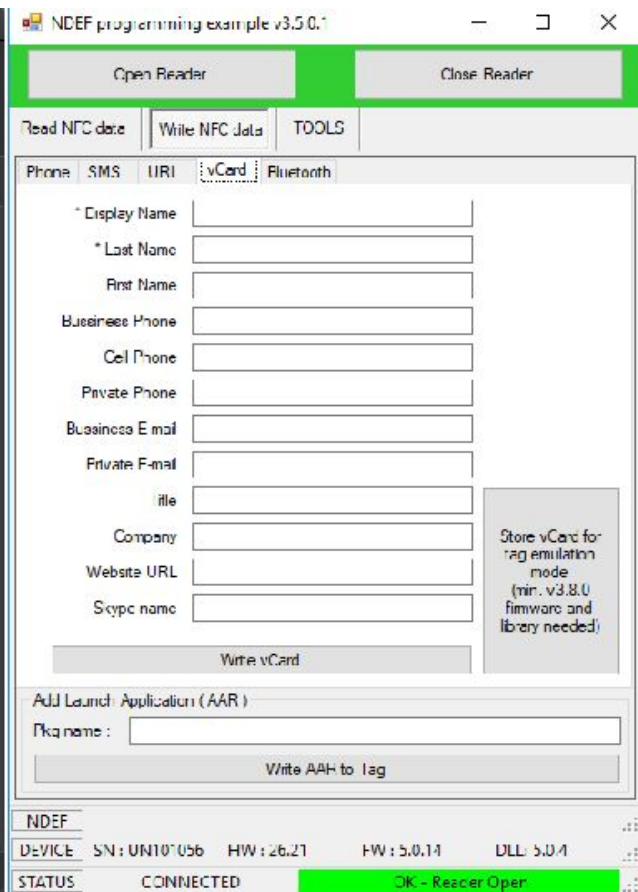
Skype Name:

Write vCard to card

Store vCard into reader for tag emulation mode

STATUS : [0x00 (0)] UFR_OK

Windows



NDEF programming example v3.5.0.1

Open Reader Close Reader

Read NFC data Write NFC data TOOLS

Phone SMS URI vCard Bluetooth

* Display Name

* Last Name

First Name

Bussiness Phone

Cell Phone

Private Phone

Bussiness E mail

Private E-mail

title

Company

Website URL

Skype name

Write vCard

Store vCard for tag emulation mode (min. v3.8.0 firmware and library needed)

Add Launch Application (AAR)

Pkg name:

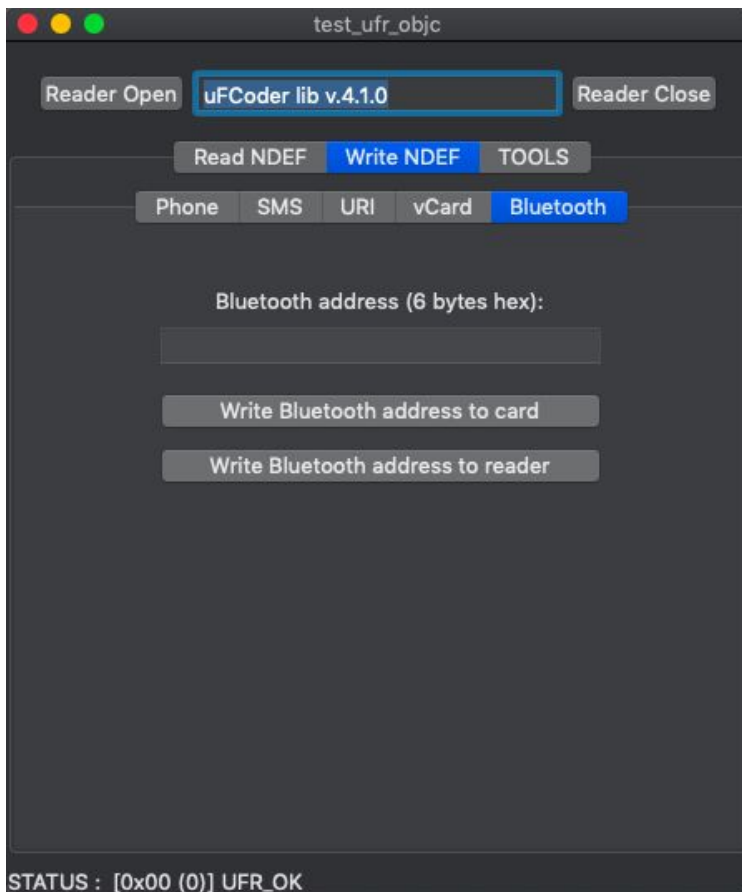
Write AAR to tag

NDEF				
DEVICE	SN : UN10105b	HW : 26.21	FW : 5.0.14	DLL : 5.0.4
STATUS	CONNECTED	OK - Reader Oper		

Write Bluetooth address

Type Bluetooth address (6 bytes hexadecimal) and click button to store it into card or into reader (tag emulation mode).

MacOS



test_ufr_objc

Reader Open Reader Close

Read NDEF Write NDEF TOOLS

Phone SMS URI vCard **Bluetooth**

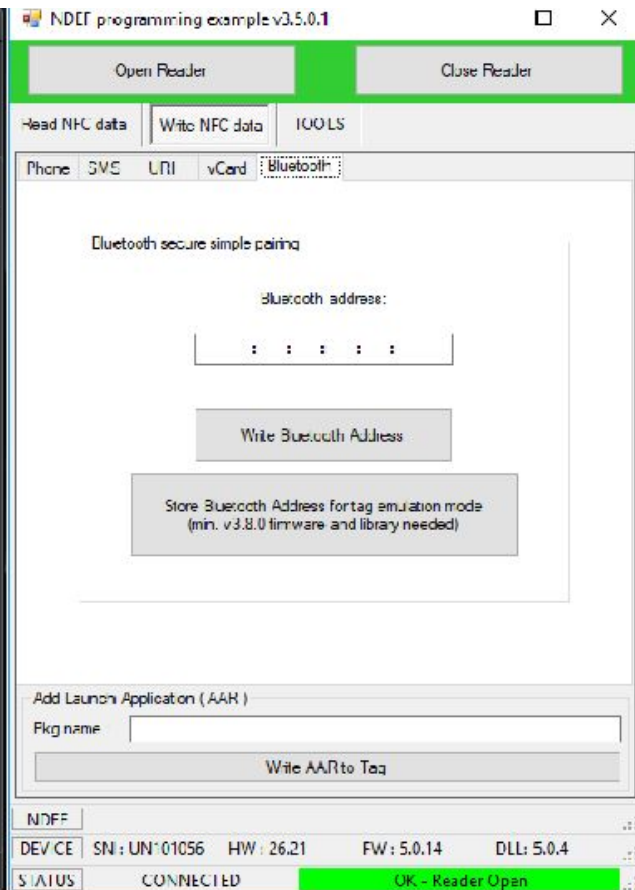
Bluetooth address (6 bytes hex):

Write Bluetooth address to card

Write Bluetooth address to reader

STATUS : [0x00 (0)] UFR_OK

Windows



NDEF programming example v3.5.0.1

Open Reader Close Reader

Read NFC data Write NFC data TOOLS

Phone SMS LPI vCard **Bluetooth**

Bluetooth secure simple pairing

Bluetooth address:

Write Bluetooth Address

Store Bluetooth Address for tag emulation mode
(min. v3.8.0 firmware and library needed)

Add Launch Application (AAR)

Pkg name

Write AAR to Tag

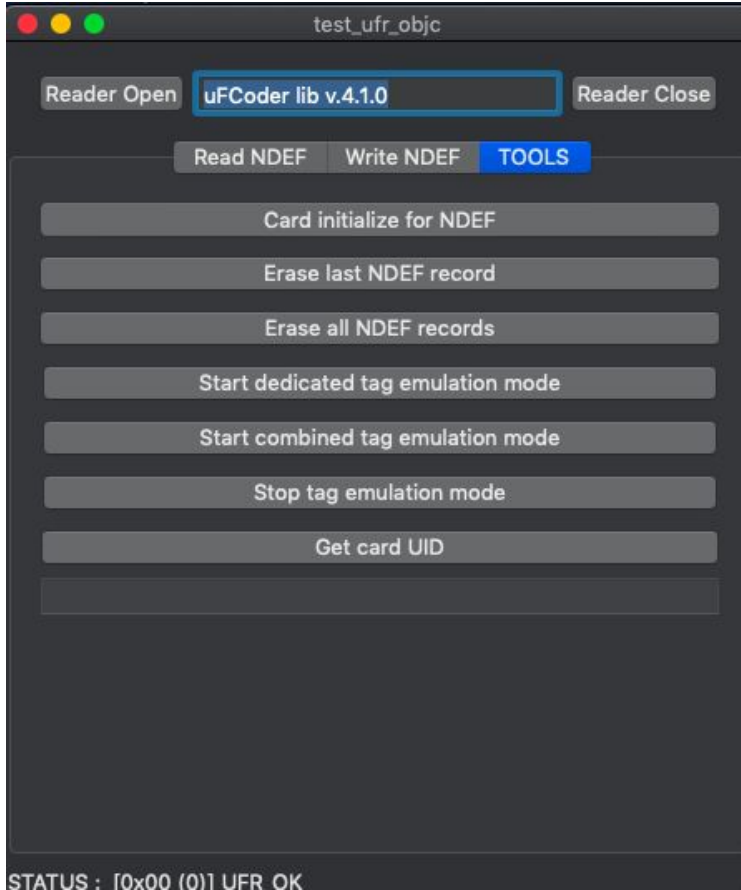
NDEF

DEVICE	SN: UN101056	HW: 26.21	FW: 5.0.14	DLL: 5.0.4
STATUS	CONNECTED			

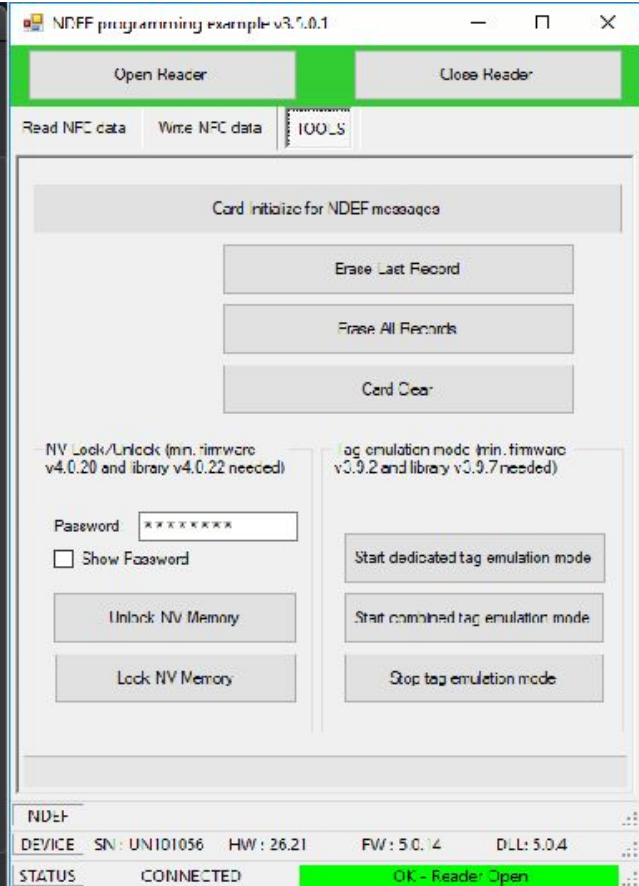
OK - Reader Open

TOOLS

MacOS



Windows



At 'TOOLS' page you will be able to initialize card for NDEF if it's not already initialized (for example, you can initialize MIFARE® CLASSIC 1K card, erase last or all NDEF records from card, start tag emulation mode which will allow you to store NDEF messages to reader, also if you want you can stop tag emulation mode and you can read card's UID.

Revision history

Date	Version	Comment
2019-05-08	1.0	Base document